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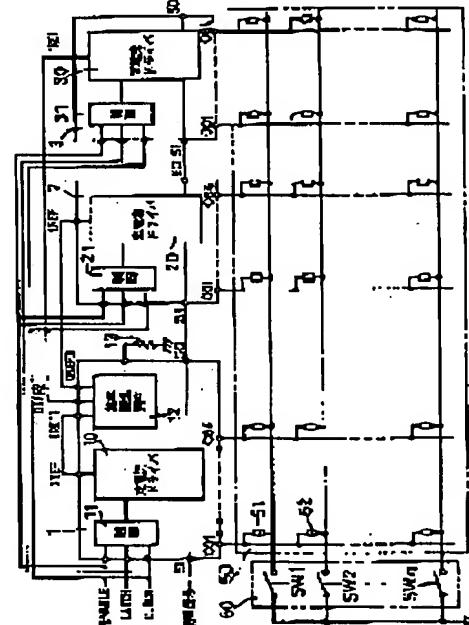
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**(54) CONSTANT-CURRENT DRIVING DEVICE AND CONSTANT-CURRENT DRIVEN SEMICONDUCTOR INTEGRATED CIRCUIT**

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To reduce variance among the outputs of semiconductor integrated circuits even when a load is driven divisionally by multiple semiconductor integrated circuits by outputting a constant current driving the load corresponding to a reference signal in each constant-current driven semiconductor integrated circuit from a drive circuit on the same semiconductor chip.

**SOLUTION:** Of a constant-current driver IC1, the constant-current driver circuit 10 supplies a driving current to 64 driving output terminals 001 to 064 according to a reference current inputted to a reference current input terminal IREF. A control circuit 11 turns ON or OFF the driving current outputted from the constant-current driver circuit 10 according to an input signal. A reference current generating circuit 12 generates reference currents having the same current value from three reference current output terminals OREF1 to OREF3 including a reference current output



terminal for supplying a reference current to the reference current input terminal of the constant-current driver circuit 10. Further, the values of the reference currents led out of the respective reference current output terminals OREF1 to OREF3 can be adjusted.

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